

WHAT IS CLAIMED IS:

1. A method of reproducing information by scanning information marks,  
disposed with a predetermined mark pitch therebetween and recorded on tracks inside  
5 a predetermined information recording region, by an optical spot, detecting an optical  
change of said information marks by said scanning operation, applying signal  
processing to a reproducing signal obtained by said detection operation so as to reduce  
inter-symbol interference of an interference amount varying from one of said information  
marks to another of said information marks, and reproducing the information  
10 corresponding to said information mark, comprising the steps of:
  - a) detecting the size of the optical change resulting from said information  
mark;
  - b) calculating a plurality of equalization coefficients used for an equalization  
processing for the size of said optical change detected for each of said information  
15 marks; and
  - c) reducing said inter-symbol interference on the basis of said equalization  
coefficients by said equalization processing;  
wherein said equalization coefficient used for said equalization processing  
of the size of said optical change by a first information mark of a first length to reduce  
20 said inter-symbol interference in said step c) is greater than said equalization coefficient  
used for said equalization processing of the size of said optical change by a second  
information mark of a second length which is greater than said first information mark.